CONLAN
A SALTO GROUP COMPANY

Keypad CT1000

Art. No.: 460100 (black)
Art. No.: 460106 (white)

User Manual

CE

Conlan ApS • Amalienborgvej 15 • DK-9400 Nørresundby • Tel: +45 72 40 60 03
• www.conlan.dk • info@conlan.dk •

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1. Introduction

CT1000 is a flexible keypad for many different applications.

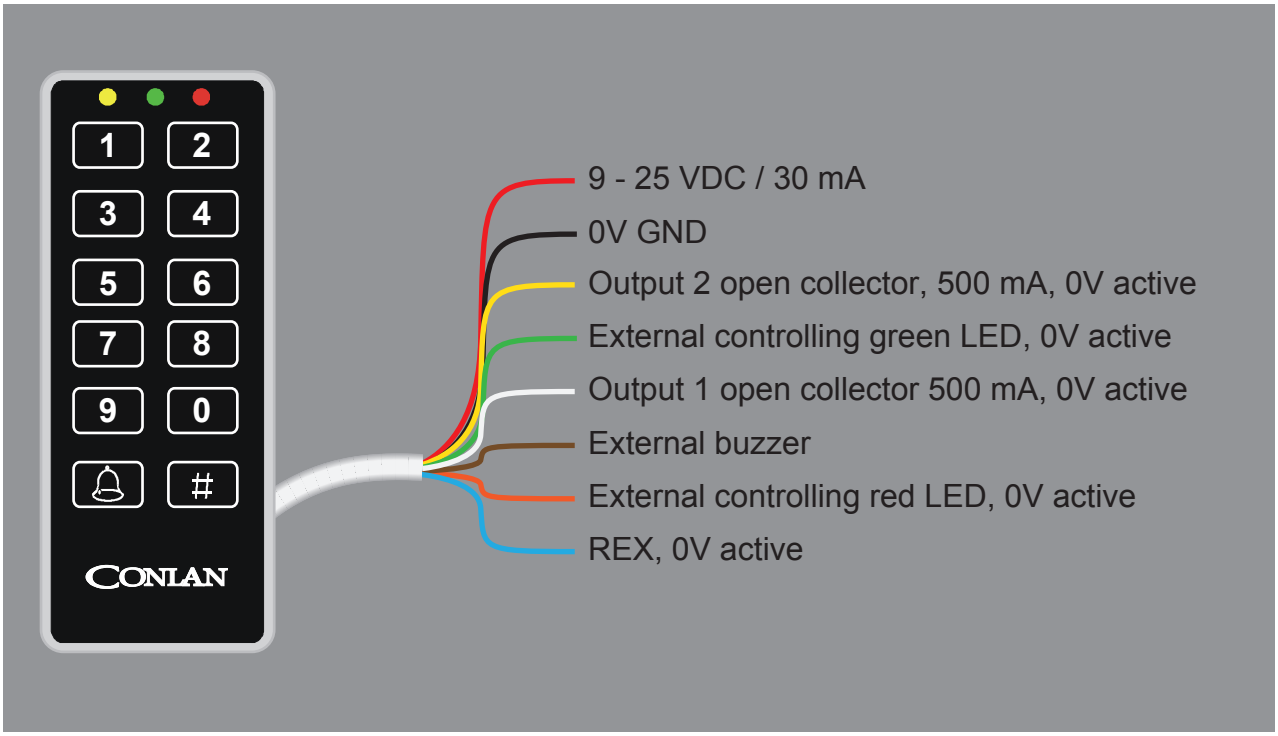
In standby the yellow LED is lit (● ○ ○)
Correct code lights the yellow and the green LED (● ● ○)
Incorrect code lights the red LED (○ ○ ●)

CT1000 has a buzzer for indicating while keying, correct code, incorrect etc. and 2 transistor outputs with open collector for controlling of locks etc.
CT1000 is a stand alone unit, that can be programmed directly by Master Code and Service Code.

2. Installation

- Mount the reader (use the drilling guide for proper alignment).
- Connect the wires to the power supply, lock unit, assembly box etc.
- Apply voltage 9 VDC, max. 25 VDC.

Note: Right after applying the voltage all LED's light and the buzzer sounds **do not** touch the reader untill the yellow LED lights and the buzzer is silent.



3. Programming Users

3.1 Positions

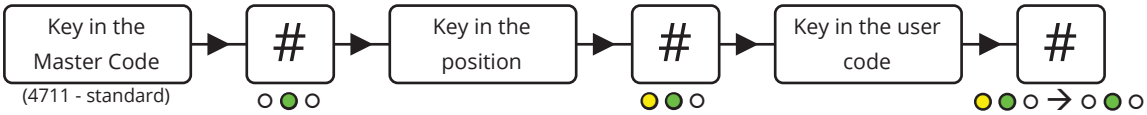
CT1000 has 28 positions, which can contain a code from 1 to 8 digits.
The code in position 1 is **1234** (default)

3.2 Programming the User Codes

The Master Code is used to program/change/delete the users. By deafualt the Master Code is **4711**.

LED indication: No light: ○ Light: ● Flash: ✱ Clear buffer: 

New users

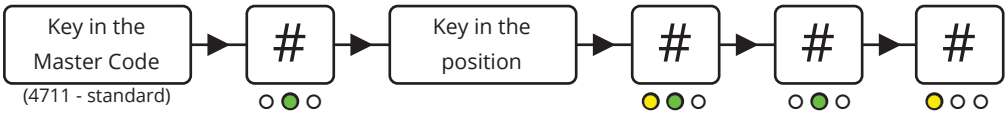


To program more users, continue from “Key in the position or type  to exit.

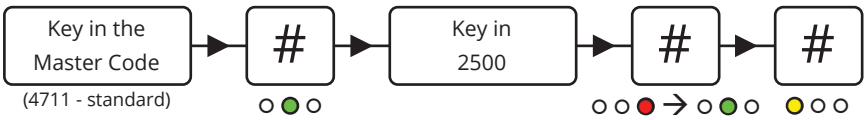
Changing codes

It’s the same procedure as programming new users, just overwrite the positions.

Delete specific users



Delete all users



4. Advanced settings

4.1 Service Code

The Service Code is used for CT1000's advanced settings such as changing the Master Code and Service Code, LED indication and much more. The overview of the settings and the factory settings can be seen in *4.2 Configuration Overview*.

The Service Code is **12347890** (factory default).

Note: Before the Service Code can be used the voltage must be turned off and on (the Service Code can no.

After entering the Service Code the reader is in programming mode (the green LED lit).

Each time a setting is made, the CT1000 goes back to the previous point and the next setting can be made. The navigation is by entering the configuration number and **#**

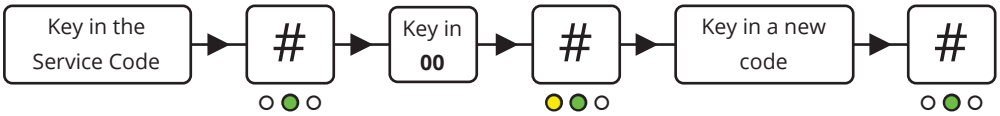
4.2 Configuration Overview

Config. no.	**Setting**	**Default**
00	Master Code (1 to 8 digits)	4711
01	Service Code (1 to 8 digits)	12347890
02	LED indication	31
03	Output time (white)	5
04	Output time (yellow)	5 (for codes)
05	Function settings	0
06	Activation with codes/bell	29
2500	All codes on position 1 to 28 is deleted	
0250	Reset to factory default	

4.3 Changing the Master Code

By factory is the Master Code **4711** and can only be used to program, change or delete users on the CT1000.

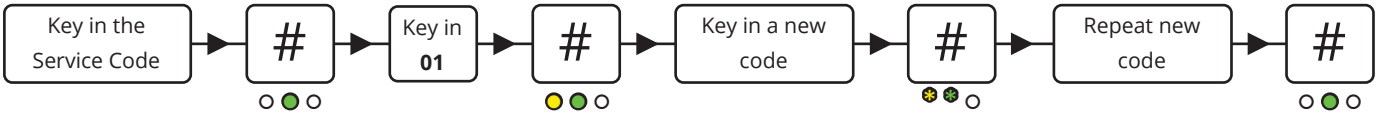
To change the Master Code, enter the following:



4.3 Changing the Service Code

The Service Code is used to cofigure the CT1000's settings.

To change the Service Code, enter the following:



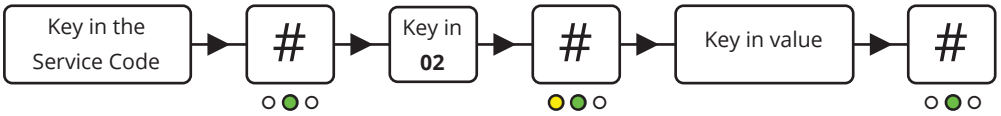
4.5 LED Indication

CT1000's 3 LED's can be adjusted at will.

Put the desired values together (e.g. YELLOW as normal, YELLOW and GREEN as active: 01+10+20 = 31) and key them in under "Key in value".

	Yellow LED	**Green LED**	**Red LED**
Normal	01	02	04
Active	10	20	40

To change the LED indication, enter the following:



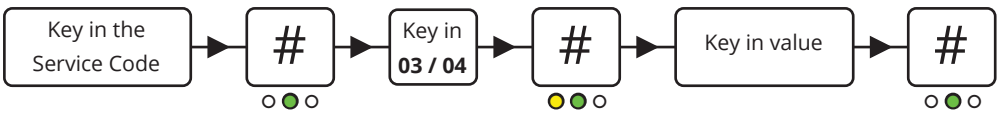
After you have entered # the next setting can be changed, to leave the programming mode enter # again or wait 10 seconds.

4.6 Output Time

CT1000 has 2 transistor outputs (yellow (04) and white (03) wire), which both are activivated in 5 seconds (factory default) by correct code, the activation time can be changed.

The values are divided like this: 1 - 100 in seconds (e.g. 5 = 5 seconds, 101 - 199 in minutes (e.g. 105 = 5 minutes) and 0 is toggle.

To change these settings, enter the following:



After you have entered # the next setting can be changed, to leave the programming mode enter # again or wait 10 seconds.

4.7 Function Settings

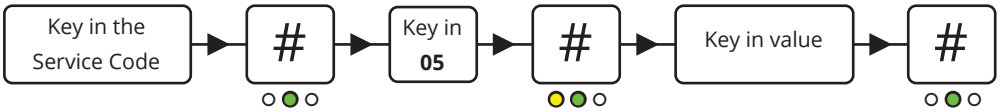
These settings is used to change CT1000's function e.g. to use the Service Code without power down and up, mute the buzzer etc.

The overview below shows the values for the different functions.

	On	**Off**
Buzzer	0	1
Toggle mode for 8 digits codes	2	0
Service Code with power on/off	4	0
Output (yellow wire) inverted	8	0
Hold function	16	0
Lock L2H	32	0
Lock H2L	64	0
4 digits code without # (rolling code)	128	0

Put the desired values together and enter them in "Key in value".

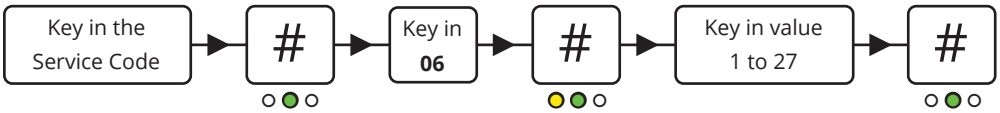
To change the function settings, enter the following:



4.8 Activating the Output with Codes/Bell

This function is by default set that all codes activate the yellow output and the bell key activates the white output (value = 29). If the white output also should activate by codes key in 1 to 27 as value, it is the position after the entered value that starts to activate the white output.

To change theses settings, enter the following:



It is the position after the entered value that starts to activate the white output.

5. Blocking (Duress)

The CT1000 is blocked for 1 minute after 4 incorrect codes.

Indication: o o ●

6. Manuel Reset

CT1000 can be reset to default settings manually.

Turn off the voltage, connect the yellow and brown wire, turn the power on again and the readers LED's light and the buzzer sounds. When only the yellow LED is lit and the reader is silent, turn off the power and separate the yellow and brown wire.

The CT1000 is now reset to default and the user codes are deleted.

7. Technical Specifications

Voltage:	12 VDC, 30 mA
Voltage interval:	9 - 25 VDC
Output (yellow core):	Max. 500 mA
Output (white code):	Max. 500 mA
External controlling green and red LED	
External controlling buzzer, Hold and Lock	
Protection rate:	IP67
Color:	Black or white
Dimensions (HxWxD):	130x50x8 mm

Thank you for using Conlan's products.

For further assistance please contact
our support service.